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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/583,393

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Derya Olgen

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EXAMINER

YOUSSEF, ADEL Y

ART UNIT

PAPER NUMBER

2618

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/583,393	<b>Applicant(s)</b> OLGEN, DERYA	
	<b>Examiner</b> ADEL YOUSSEF	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 June 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>06/19/2006</u> .  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mankovitz et al. (Patent No: 5134719) in view of Moers et al (Patent-No: US 6711390).

### **Examiner Notes**

3. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner

**Regarding claim1**, Mankovitz teach a mobile device for receiving supplementary information transmitted with a radio station signal, said mobile device comprising:

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means for scanning a spectrum of frequencies (column 10, lines 4, 5); means for detecting a plurality of radio stations broadcast within said spectrum of frequencies (column 1, lines 15-20, column 2, lines 5-11); means for decoding (column 4, lines 64, 65), for each of a plurality of detected radio stations (column 9, lines 39, 40, see figure 4), at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations (column 6, lines 28-34, see figure 1); but fail to teach means for receiving a search criterion; means for generating a set of radio stations whose supplementary information matches said search criterion; and means for receiving a selection of one of the set of radio stations whose supplementary information matches said search criterion. However Moers teach a receiving a search criterion; means for generating a set of radio stations whose supplementary information matches said search criterion; and means for receiving a selection of one of the set of radio stations whose supplementary information matches said search criterion (column 1, lines 55-63, column 2, lines 1-5, 42-47). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the mobile device of Mankovitz to include a search criterion as taught by Moers in order to search for any broadcasting transmitter station thereby improve customer services quality .

**Regarding claim 2**, Mankovitz further teach a mobile device as claimed in claim 1, comprising means for displaying a set of at least one piece of supplementary information, each of said at least one piece of supplementary information relating to a corresponding radio station (column 6, lines 28-34, see figure 1).

**Regarding claim 3**, Mankovitz further teach a mobile device as claimed in claim 2, wherein said display means is suitable for concurrently displaying a plurality of elements of the set of at least one piece of supplementary information (column 8, lines 11-15, column 10, lines 7-10).

**Regarding claim 4**, Mankovitz further teach a mobile device as claimed in claim 2, wherein said display means is arranged to display only one element of the set of at least one piece of supplementary information at a time (column 8, line 13).

**Regarding claim 5**, Mankovitz further teach a mobile device as claimed in claim 2, wherein said means for receiving a selection is arranged to receive a selection of one of the plurality of radio stations from the supplementary information displayed by said display means (column 1, lines 60-62, column 3, lines 59-62).

**Regarding claim 6**, Mankovitz teach a mobile device as claimed in claim 2, wherein said display means displays the set of radio stations whose supplementary information matches except for said search criterion. However Moers et al. teach a search criterion (column 1, lines 55-63, column 2, lines 1-5, 42-47). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the mobile device of Mankovitz to include a search criterion as taught by Moers in order to search for any broadcasting transmitter station thereby improve customer services quality .

**Regarding claim 7**, Mankovitz teach a mobile device as claimed in claim 6, wherein said set of radio stations whose supplementary information matches said except for search criterion comprises one or more radio stations. However Moers et al. teach search criterion comprises one or more radio stations (column 2, lines 2-7, column 6, lines 3-4, 10-1, see figure 4). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the mobile device of Mankovitz to include a search criterion as taught by Moers in order to search for any broadcasting transmitter station thereby improve customer services quality .

**Regarding claim 8**, Mankovitz further teach a mobile device as claimed in claim 2, wherein the set of the at least one piece of supplementary information comprises a piece of supplementary information for each radio station detected having supplementary information broadcast therewith (column 9, line 40, 49, 58, 39, see figures 4, 7).

**Regarding claim 9**, Mankovitz teach a mobile device as claimed in claim 1, except for wherein said search criterion comprises at least a part of a piece of supplementary information. However Moers teach search criterion comprises at least a part of a piece of supplementary information (column 7, lines 50-54). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the mobile

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device of Mankovitz to include a search criterion as taught by Moers in order to search for any broadcasting transmitter station thereby improve customer services quality .

**Regarding claim10**, Mankovitz further teach a mobile device as claimed in claim 1, wherein at least one piece of supplementary information received in respect of one of the plurality of radio stations comprises a station name (column 1, lines 59-68, column 2, line 10-15, see figure 4).

**Regarding claim11**, Mankovitz further teach a mobile device as claimed in claim 1, wherein said means for receiving a selection is arranged to interrupt said scanning means when a radio station is selected (column3, 48-62, see figure 4).

**Regarding claim12**, Mankovitz further teach a mobile device as claimed in claim 1, wherein the supplementary information conforms to at least one of the Radio Data System standard and the Radio Broadcasting Data System standard (column 1, lines 45-50, column 3, lines 15-21).

**Regarding claim 13**, Mankovitz further teach a mobile device as claimed in claim 1, further comprising means for receiving and decoding the radio station signal (column 4, lines 64, 65).

**Regarding claim 14**, Mankovitz further teach a mobile device as claimed in claim 1,

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wherein the radio station signal is an audio signal and the device comprises means for providing the audio signal to a user (column 1, lines 45-50, column 2, lines 11-13).

**Regarding claim 15**, Mankovitz further teach a mobile device as claimed in claim 1, wherein the radio station signal is a frequency modulated signal (column 2, line 16, see figure 1).

**Regarding claim 16**, Mankovitz further teach a mobile device as claimed in claim 1, wherein the radio station signal is an amplitude modulated signal (column 2, line 16, 35-40, column 3, lines 6-10).

**Regarding claim 17**, Mankovitz further teach a mobile device for receiving supplementary information transmitted with a radio station signal, said mobile device comprising: means for scanning a spectrum of frequencies (column 10, lines 4, 5); means for detecting a plurality of radio stations broadcast within said spectrum of frequencies (column 1, lines 15-20, column 2, lines 5-11); means for decoding (column 4, lines 64, 65), for each of a plurality of detected radio stations (column 9, lines 39, 40, see figure 4), at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations (column 6, lines 28-34, see figures 1, 4); means for storing at least one piece of supplementary information and information relating to a broadcast frequency of each of a plurality of the detected radio stations (column 1, lines 66-68, column 2, lines 4-6, column 3, lines 50, 65); and means for receiving a selection



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of one of the plurality of detected radio stations according to the supplementary information stored by said storing means (column 5, line 25, column 11, line 67, column 12, lines 1-20, see figure 4).

**Regarding claim 18**, Mankovitz further teach a method for selecting a radio station from a plurality of radio stations received by a mobile device, comprising: scanning a spectrum of frequencies (column 10, lines 4, 5); detecting a plurality of radio stations broadcast within said spectrum of frequencies(column 1, lines 15-20, column 2, lines 5-11); decoding for each of a plurality of detected radio stations(column 4, lines 64, 65, see figure 4), at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations (column 6, lines 28-34, see figures 1, 4); storing at least one piece of supplementary information and information relating to a broadcast frequency of each of a plurality of the detected radio stations (column 1, lines 66-68, column 2, lines 4-6, column 3, lines 50, 65); and receiving a selection of one of the plurality of detected radio stations according to the supplementary information stored (column 1, lines 66-68, column 3, lines 29-35, see figure 4).

**Regarding claim 19**, Mankovitz further teach a method as claimed in claim 19, comprising the step of: displaying a set of at least one piece of supplementary information, each of said at least one piece of supplementary information relating to a corresponding radio station (column 1, lines 60-62, column 3, lines 59-62, column 8, lines 10-14).

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure

Shin et al. (PGUB No: 2002/0048105) teach a digital audio layer and an audio content file management method of a digital audio player. This method writes address of recording area containing descriptive information such as title of a song and a singer's name for each stored audio file in a file management information area for a corresponding audio file. Then, descriptive information can be directly searched and displayed more quickly using the written address if an audio file is selected.

Any response to this Office Action should be **faxed** to (571) 273-8300 or **mailed to**:  
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**Hand-delivered responses should be brought to**

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adel Y. Youssef whose telephone number is 571-270-3525. The examiner can normally be reached on Monday to Thursday 8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lana Le can be reached on 571-272-7891. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ADEL YOUSSEF/

Examiner, Art Unit 2618

06/03/2008

/Lana N. Le/

Acting SPE of Art Unit 2618